

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) An apparatus for controlling a screen brightness value of a terminal comprising:

a controller which controls the terminal to sense an illumination intensity of a photographed object around the terminal, and the photographed object comprising a digital image having a plurality of pixels, the controller to determine a level of the illumination intensity based on a most frequently detected brightness value of the pixels in the digital image; and

a display unit which controls the screen brightness value of the terminal based on the level of illumination intensity determined by the controller.

2. (Currently Amended) The apparatus according to claim 1, wherein the terminal includes a camera, ~~and wherein the controller controls the terminal to sense the illumination intensity by controlling the camera to photograph an object around the terminal.~~

3. (Original) The apparatus according to claim 2, wherein the controller controls the camera to photograph the object when a user manipulates or uses the terminal.

4. (Canceled)

5. (Currently Amended) The apparatus according to claim 4, wherein the display unit sets the screen brightness value of the terminal based on ~~a~~the most frequently detected brightness value of the pixels in the digital image.

6. (Original) The apparatus according to claim 1, wherein, for a predetermined time period, the controller continuously controls the terminal to sense the illumination intensity and to determine the level of illumination intensity, and the display unit continuously controls the screen brightness value of the terminal.

7. (Original) The apparatus according to claim 6, wherein, if the predetermined time period has expired and a user then manipulates or uses the terminal, the controller again starts controlling the terminal to sense the illumination intensity and to determine the level of illumination intensity, and the display unit again starts controlling the screen brightness value of the terminal.

8. (Currently Amended) The apparatus according to claim 1, further comprising:
a data table including ~~at least two ranges~~ a first range of brightness peak values and
a second range of brightness peak values different than the first range of brightness peak values,
~~each range having a corresponding illumination intensity value~~ the data table further including a
first illumination intensity value corresponding to the first range of brightness peak values and a
second illumination intensity value corresponding to the second range of brightness peak values.

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9. (Currently Amended) The apparatus according to claim 8, wherein the controller reads the first illumination intensity value from the data table, and the display unit controls the screen brightness value of the terminal based on the first illumination intensity value read from the data table.

10. (Original) The apparatus according to claim 1, wherein the terminal is a mobile terminal.

11. (Currently Amended) A method for controlling a screen brightness value of a terminal comprising:

controlling the terminal to sense an illumination intensity ~~around the terminal of a~~
digital image having a plurality of pixels and to determine a level of the illumination intensity
based on a most frequently detected brightness value of the pixels; and

controlling the screen brightness value of the terminal based on the determined level of the illumination intensity.

12. (Original) The method according to claim 11, wherein the terminal includes a camera, and wherein the terminal is controlled to sense the illumination intensity by controlling the camera to photograph an object around the terminal.

13. (Original) The method according to claim 12, wherein the camera is controlled to photograph the object when a user manipulates or uses the terminal.
14. (Currently Amended) The method according to claim 12, wherein the photograph comprises ~~a~~the digital image, ~~and wherein the method further comprises determining the level of the illumination intensity based on a brightness value of pixels in the digital image.~~
15. (Currently Amended) The method according to claim 14, further comprising:
setting the screen brightness value of the terminal based on ~~a~~the most frequently detected brightness value of the pixels in the digital image.
16. (Original) The method according to claim 12, wherein, for a predetermined time period, the terminal is continuously controlled to sense the illumination intensity and to determine the level of illumination intensity, and the screen brightness value of the terminal is continuously controlled.
17. (Original) The method according to claim 16, wherein, if the predetermined time period has expired and a user then manipulates or uses the terminal, the terminal is again controlled to sense the illumination intensity and to determine the level of illumination intensity, and the screen brightness value of the terminal is again controlled.

18. (Currently Amended) The method according to claim 11, further comprising:
storing a data table including ~~at least two~~ first and second ranges of brightness
peak values, each range having a corresponding illumination intensity value.

19. (Original) The method according to claim 18, further comprising:
reading the illumination intensity value from the data table,
wherein the screen brightness value of the terminal is controlled based on the
illumination intensity value read from the data table.

20. (Original) The method according to claim 11, wherein the terminal is a mobile
terminal.

21. (Currently Amended) A computer program product for controlling a screen
brightness value of a terminal comprising:

a first computer code which controls the terminal to sense an illumination
intensity of a photographed object around the terminal, and the photographed object comprising
a digital image having a plurality of pixels, the first computer code to determine a level of the
illumination intensity based on a most frequently detected brightness value of the pixels in the
digital image; and

a second computer code which controls the screen brightness value of the terminal based on the level of illumination intensity determined by the ~~controller~~ first computer code.

22. (Currently Amended) The computer program product according to claim 21, wherein the terminal includes a camera, ~~and wherein the first computer code controls the terminal to sense the illumination intensity by controlling the camera to photograph an object around the mobile terminal.~~

23. (Original) The computer program product according to claim 22, wherein the first computer code controls the camera to photograph the object when a user manipulates or uses the terminal.

24. (Canceled)

25. (Currently Amended) The computer program product according to claim 24, wherein the second computer code sets the screen brightness value of the terminal based on ~~a~~ the most frequently detected brightness value of the pixels in the digital image.

26. (Original) The computer program product according to claim 21, wherein, for a predetermined time period, the first computer code continuously controls the terminal to sense

the illumination intensity and to determine the level of illumination intensity, and the second computer code continuously controls the screen brightness value of the terminal.

27. (Original) The computer program product according to claim 26, wherein, if the predetermined time period has expired and a user then manipulates or uses the terminal, the first computer code again starts controlling the mobile terminal to sense the illumination intensity and to determine the level of illumination intensity, and the second computer code again starts controlling the screen brightness value of the terminal.

28. (Currently Amended) The computer program product according to claim 21, ~~further comprising~~ wherein the terminal includes :

a data table including at least two ranges a first range of brightness peak values and a second range of brightness peak values different than the first range of brightness peak values, each range having a corresponding illumination intensity value the data table further including a first illumination intensity value corresponding to the first range of brightness peak values and a second illumination intensity value corresponding to the second range of brightness peak values.

29. (Original) The computer program product according to claim 28, wherein the first computer code reads the illumination intensity value from the data table, and the second computer code controls the screen brightness value of the terminal based on the illumination intensity value read from the data table.

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30. (Original) The computer program product according to claim 21, wherein the terminal is a mobile terminal.